

K0022US

## Abstract

### XDSL line tester

The xDSL, particularly ADSL, line tester has a sine wave generator (2) for generating specified polling frequency signals, particularly "R tones", which can be put onto the connected ADSL line using an output transformer (4). The response signal from an exchange in the form of a "specified C tone" is filtered in a high pass filter (5) and is integrated in an integrator (7) and is supplied to a central processor unit (1) which prompts a light emitting diode (12) to light up if the detected signal meets the requirements. The central processor unit (1) has stored values for the specified shape and duration of the R tone. The ADSL line tester can thus be used to check connection setup on a purely physical level without the use of software and the like.